

The present listing of claims replaces all prior versions and listings of claims in the subject patent application.

Listing of Claims:

1(currently amended): An actuator having at least one surface having a larger area than other surfaces thereof and consisting of a conjugated polymeric material, whereby said material expands when an electrical voltage is applied between two locations thereof and contracts when the electrical voltage is reduced, neither of the two locations being coextensive with the at least one surface having a larger area.

2(currently amended): The actuator as described in claim 1, wherein said conjugated polymeric material comprises doped polyaniline.

3(currently amended): A method of actuation comprising the step of directly electrically stimulating a conjugated polymeric material having at least one surface having a larger area than other surfaces thereof at two locations thereof, neither of the two locations being coextensive with the at least one surface having a larger area.

4(previously presented): The method of actuation as described in claim 3, wherein said conjugated polymeric material comprises doped polyaniline.